

SYSTEMS PROGRAMMER II*Class Definition*

Under general direction, formulates, analyzes, develops, modifies, implements and maintains systems software; integrates computer hardware and software; and may provide lead supervision on major projects.

Distinguishing Characteristics

Systems Programmer II is the experienced level class in the Systems Programmer series. Assigned to the Information Systems Division of the Finance Department and reporting to the Information Systems Manager, an incumbent analyzes, develops, modifies, implements, and maintains manufacturer or internally developed systems software to fit the specific requirements of the City. This software provides general purpose programs which perform functions used in producing a variety of specific reports, which may be of a confidential nature, utilized by City staff in administering City policies and programs. Systems Programmer II differs from Systems Programmer I in that the latter is the entry level class in which an incumbent performs more routine assignments while receiving training.

Typical Tasks

(An incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Organizes, develops, modifies, implements, and maintains systems software required to support Information Systems Division hardware.

Develops user software to handle problems unique to the installation.

Provides assistance to application programmer analysts and operations personnel in solving system software problems and in making effective use of computer hardware and software.

Provides detailed instructions on new software and hardware to both programmer analysts and operations personnel.

Prepares system support programs for new and existing applications.

Assists in feasibility studies for new or additional equipment and for using new or modified systems software products.

Confers with Information Systems staff and manufacturers* representatives regarding computer capabilities and applications.

Assists in training lower level personnel.

Knowledge, Abilities, and Skills

Knowledge of mid-range to large size computer systems and procedures. Knowledge of current hardware and system software packages.

Knowledge of the operating principles and methods used in the development of data processing computer systems, procedures, and data bases.

Ability to apply advanced computer technology in the use of data base management applications, telecommunications applications, and in implementing complex computer applications.

Ability to read and understand manufacturers* technical publications, and to apply suggested solutions to software problems.

Ability to establish and maintain satisfactory working relationships with City employees and the public including representatives of other agencies.

Ability to effectively communicate orally and in writing and submit clear, concise reports in oral, written, or graphic form.

Minimum Qualifications

One year of experience equivalent to that gained as a Systems Programmer I with the City of Fresno.

Necessary Special Requirement

Possession of a valid California Driver*s License at time of appointment.

APPROVED: _____
Director of Personnel

DATE: _____

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+967/SPEC10